

**Notice of Allowability**

Application No.

09/938,619

Applicant(s)

AOYAMA ET AL.

Examiner

Dennis-Doon Chow

Art Unit

2675

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the examiner's amendments dated 10/1/04.
2. ☒ The allowed claim(s) is/are 2,3,5-14 and 16-27.
3. ☒ The drawings filed on 27 August 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Melvin Kraus on October 1, 2004.

The application has been amended as follows:

**Please amend claims 6, 9, 10, 11, 12 and 16 as follows:**

6. (currently amended) The liquid crystal display apparatus according to ~~claim 4~~ **claim 5**,

wherein in each pixel, said first pixel electrode and said common electrode are linear and are arranged substantially in parallel, and

at least part of said second pixel electrode overlaps said first pixel electrode or said common electrode.

9. (currently amended) The liquid crystal display apparatus according to ~~claim 4~~ **claim 5**,

wherein said first pixel electrode and said common electrode are linear and are arranged substantially in parallel, and

said second pixel electrode is located below said first pixel electrode and said common electrode, said second pixel electrode overlaps said first pixel

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electrode and said common electrode, and insulated films are disposed between said second pixel electrode and said first pixel electrode and between said second pixel electrode and said common electrode.

10. (currently amended) The liquid crystal display apparatus according to ~~claim 4~~ **claim 5**,

wherein said first pixel electrode and said second pixel electrode are linear and are arranged substantially in parallel, and

said common electrode is located between said first pixel electrode and said second pixel electrode.

11. (currently amended) The liquid crystal display apparatus according to ~~claim 4~~ **claim 5**,

wherein said first and said second pixel electrodes are linear and are arranged substantially in parallel, and

at least part of said common electrode overlaps said first or said second pixel electrode.

12. (currently amended) The liquid crystal display apparatus according to ~~claim 4~~ **claim 5**,

wherein said first and said second pixel electrodes are linear and are arranged substantially in parallel, and

said common electrode is located below said first and second pixel

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electrodes, said common electrode overlaps said first and said second pixel electrodes, and insulated films are disposed between said common electrode and said first pixel electrode and between said common electrode and said second pixel electrode.

16. (currently amended) The liquid crystal display apparatus, comprising:

a first substrate;

a second substrate arranged opposite the first substrate;

a liquid crystal layer sandwiched between said first substrate and said second substrate; and

a plurality of pixels which are sandwiched between said first substrate and said second substrate and form a display section,

wherein each of said Pixels is provided with a first pixel electrode and a second pixel electrode both corresponding to said pixel, and a common electrode corresponding to said first and second pixel electrodes;

wherein said first and said second pixel electrode electrodes are disposed on said first substrate, and said common electrode is disposed on one of said first substrate and ~~said second substrate~~;

wherein said first and said second pixel electrodes are linear and are arranged substantially in parallel; and

wherein said common electrode overlaps said first and said second pixel electrodes.

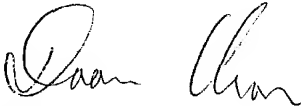
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis-Doon Chow whose telephone number is 703-305-4398. The examiner can normally be reached on 8:30-6:00, Alternate Monday off.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Chow  
October, 2004

  
DENNIS-DOON CHOW  
PRIMARY EXAMINER